

Dmitri Kondrashov

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4057793/dmitri-kondrashov-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54
papers

3,043
citations

23
h-index

55
g-index

61
ext. papers

3,371
ext. citations

4.1
avg, IF

4.95
L-index

#	Paper	IF	Citations
54	Correlation-based flow decomposition and statistical analysis of the eddy forcing. <i>Journal of Fluid Mechanics</i> , 2021 , 924,	3.7	5
53	A Comparison of Data-Driven Approaches to Build Low-Dimensional Ocean Models. <i>Journal of Advances in Modeling Earth Systems</i> , 2021 , 13, e2021MS002537	7.1	3
52	Data-adaptive harmonic analysis of oceanic waves and turbulent flows. <i>Chaos</i> , 2020 , 30, 061105	3.3	7
51	On data-driven induction of the low-frequency variability in a coarse-resolution ocean model. <i>Ocean Modelling</i> , 2020 , 153, 101664	3	9
50	On data-driven augmentation of low-resolution ocean model dynamics. <i>Ocean Modelling</i> , 2019 , 142, 101464	10	
49	Extratropical Sub-seasonal to Seasonal Oscillations and Multiple Regimes: The Dynamical Systems View 2019 , 119-142		3
48	Data-adaptive harmonic analysis and modeling of solar wind-magnetosphere coupling. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018 , 177, 179-189	2	6
47	Multiscale Stuart-Landau Emulators: Application to Wind-Driven Ocean Gyres. <i>Fluids</i> , 2018 , 3, 21	1.6	19
46	Data-Adaptive Harmonic Decomposition and Stochastic Modeling of Arctic Sea Ice 2018 , 179-205		8
45	Data-adaptive harmonic decomposition and prediction of Arctic sea ice extent. <i>Dynamics and Statistics of the Climate System</i> , 2018 , 3,		5
44	Interannual Variability in the North Atlantic Ocean Temperature Field and Its Association with the Wind Stress Forcing. <i>Journal of Climate</i> , 2017 , 30, 2655-2678	4.4	14
43	Data-adaptive harmonic spectra and multilayer Stuart-Landau models. <i>Chaos</i> , 2017 , 27, 093110	3.3	26
42	Inverse stochastic-dynamic models for high-resolution Greenland ice core records. <i>Earth System Dynamics</i> , 2017 , 8, 1171-1190	4.8	15
41	Inverse stochastic-dynamic models for high-resolution Greenland ice-core records 2017 ,		2
40	Comment on "Nonparametric forecasting of low-dimensional dynamical systems ". <i>Physical Review E</i> , 2016 , 93, 036201	2.4	1
39	Singular Spectrum Analysis for Astronomical Time Series: Constructing a Parsimonious Hypothesis Test. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2016 , 105-107	0.3	
38	Diversity, Nonlinearity, Seasonality, and Memory Effect in ENSO Simulation and Prediction Using Empirical Model Reduction. <i>Journal of Climate</i> , 2016 , 29, 1809-1830	4.4	26

37	Data assimilation of low-altitude magnetic perturbations into a global magnetosphere model. <i>Space Weather</i> , 2016 , 14, 165-184	3-7	17
36	Predicting Critical Transitions in ENSO models. Part II: Spatially Dependent Models. <i>Journal of Climate</i> , 2015 , 28, 1962-1976	4-4	24
35	Stochastic modeling of decadal variability in ocean gyres. <i>Geophysical Research Letters</i> , 2015 , 42, 1543-1553	3-3	32
34	Data-driven non-Markovian closure models. <i>Physica D: Nonlinear Phenomena</i> , 2015 , 297, 33-55	3-3	67
33	Reconstruction of gaps in the past history of solar wind parameters. <i>Geophysical Research Letters</i> , 2014 , 41, 2702-2707	4-9	15
32	Noise statistics identification for Kalman filtering of the electron radiation belt observations I: Model errors. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 5700-5724	2-6	5
31	Noise statistics identification for Kalman filtering of the electron radiation belt observations: 2. Filtration and smoothing. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 5725-5743	2-6	2
30	Rough parameter dependence in climate models and the role of Ruelle-Pollicott resonances. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 1684-90	11-5	54
29	Three-dimensional data assimilation and reanalysis of radiation belt electrons: Observations of a four-zone structure using five spacecraft and the VERB code. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8764-8783	2-6	26
28	Low-order stochastic model and past-noise forecasting of the Madden-Julian Oscillation. <i>Geophysical Research Letters</i> , 2013 , 40, 5305-5310	4-9	33
27	Application of a new data operator-splitting data assimilation technique to the 3-D VERB diffusion code and CRRES measurements. <i>Geophysical Research Letters</i> , 2013 , 40, 4998-5002	4-9	23
26	Lognormal Kalman filter for assimilating phase space density data in the radiation belts. <i>Space Weather</i> , 2011 , 9, n/a-n/a	3-7	21
25	An empirical stochastic model of sea-surface temperatures and surface winds over the Southern Ocean. <i>Ocean Science</i> , 2011 , 7, 755-770	4	7
24	Extreme events: dynamics, statistics and prediction. <i>Nonlinear Processes in Geophysics</i> , 2011 , 18, 295-350	2-9	147
23	Reanalysis of radiation belt electron phase space density using various boundary conditions and loss models. <i>Advances in Space Research</i> , 2011 , 48, 1327-1334	2-4	22
22	Predicting stochastic systems by noise sampling, and application to the El Niño-Southern Oscillation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 11766-71	11-5	45
21	Signatures of Nonlinear Dynamics in an Idealized Atmospheric Model. <i>Journals of the Atmospheric Sciences</i> , 2011 , 68, 3-12	2-1	13
20	Gap filling of solar wind data by singular spectrum analysis. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	3-9	38

19	Reduced models of atmospheric low-frequency variability: Parameter estimation and comparative performance. <i>Physica D: Nonlinear Phenomena</i> , 2010 , 239, 145-166	3.3	22
18	Reanalyses of the radiation belt electron phase space density using nearly equatorial CRRES and polar-orbiting Akebono satellite observations. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		40
17	Data Assimilation for a Coupled Ocean-Atmosphere Model. Part II: Parameter Estimation. <i>Monthly Weather Review</i> , 2008 , 136, 5062-5076	2.4	45
16	Reanalysis of relativistic radiation belt electron fluxes using CRRES satellite data, a radial diffusion model, and a Kalman filter. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		62
15	A Kalman filter technique to estimate relativistic electron lifetimes in the outer radiation belt. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		43
14	Reply to T. Schneider's comment on "Spatio-temporal filling of missing points in geophysical data sets". <i>Nonlinear Processes in Geophysics</i> , 2007 , 14, 3-4	2.9	5
13	Predicting weather regime transitions in Northern Hemisphere datasets. <i>Climate Dynamics</i> , 2007 , 29, 535-551	4.2	11
12	Spatio-temporal filling of missing points in geophysical data sets. <i>Nonlinear Processes in Geophysics</i> , 2006 , 13, 151-159	2.9	219
11	Empirical Mode Reduction in a Model of Extratropical Low-Frequency Variability. <i>Journals of the Atmospheric Sciences</i> , 2006 , 63, 1859-1877	2.1	37
10	Oscillatory modes of extended Nile River records (A.D. 622-1922). <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	87
9	Multilevel Regression Modeling of Nonlinear Processes: Derivation and Applications to Climatic Variability. <i>Journal of Climate</i> , 2005 , 18, 4404-4424	4.4	104
8	A Hierarchy of Data-Based ENSO Models. <i>Journal of Climate</i> , 2005 , 18, 4425-4444	4.4	82
7	Weather Regimes and Preferred Transition Paths in a Three-Level Quasigeostrophic Model. <i>Journals of the Atmospheric Sciences</i> , 2004 , 61, 568-587	2.1	60
6	ADVANCED SPECTRAL METHODS FOR CLIMATIC TIME SERIES. <i>Reviews of Geophysics</i> , 2002 , 40, 3-1	23.1	1401
5	Three-dimensional Magnetohydrodynamic Simulations of the Interaction of Magnetic Flux Tubes. <i>Astrophysical Journal</i> , 1999 , 519, 884-898	4.7	20
4	Three-dimensional deformable-grid electromagnetic particle-in-cell for parallel computers. <i>Journal of Plasma Physics</i> , 1999 , 61, 367-389	2.7	34
3	3-D MHD simulation of a railgun hybrid armature. <i>IEEE Transactions on Magnetics</i> , 1997 , 33, 249-253	2	1
2	A Maxwell's equation solver for 3-D MHD calculations. <i>IEEE Transactions on Magnetics</i> , 1997 , 33, 254-259	2	11

1 . *IEEE Transactions on Magnetics*, **1995**, 31, 634-639

2 9